| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|--|---|---------------------|---------|------------------|
| L1 | 1713 | 257/355.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/10 10:19 |
| S1 | 0 | electro\$static adj discharge same scr same asymetric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 17:08 |
| S2 | 431 | electro\$static adj discharge same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 17:14 |
| S3 | 901 | (esd electro\$static adj discharge) same (scr silicon adj controlled adj rectifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 10:12 |
| S4 | 3 | (esd electro\$static adj discharge) same (scr silicon adj controlled adj rectifier) same asymmetric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 17:16 |
| S5 | 8 | (esd electro\$static adj discharge) same (scr silicon adj controlled adj rectifier) and asymmetric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 17:16 |
| S6 | 22 | scr and wu.in. and (taiwan adj semiconductor).as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/03 17:22 |
| S7 | 16 | (esd electro\$static adj discharge) same (scr silicon adj controlled adj rectifier) same (NFET NMOS) same (PFET PMOS) same buffer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 10:57 |

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| S8 | 32 | ("4734752" "5019888" "5218222" "5270565" "5329143" "5600525").PN. OR ("5754381"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 10:24 |
| S9 | 19 | ("5528188" "5530612" "5572394" "5740000" "5754381" "5886862" "5907464" "5917336" "5945713" "5959820" "6002568" "6008684" "6011681" "6043539").PN. OR ("6671153").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 10:30 |
| S10 | 7 | ("5754381" "5856214" "5872379" "5907462" "5939756" "5959820").PN. OR ("6576934"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 10:48 |
| S11 | 21 | ("5400202" "5465189" "5576557" "5745323" "5754380" "5754381" "5869873" "5898205").PN. OR ("6066879"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 10:51 |
| S12 | 28 | (esd electro\$static adj discharge) same (scr silicon adj controlled adj rectifier) same (NFET NMOS) same (PFET PMOS) and diode near (chain string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 11:06 |
| S13 | 9 | 10/099600 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 11:06 |
| S14 | 35 | ("5272097" "5272371" "5327319" "5400202" "5426322" "5430595" "5452171" "5465189" "5550699" "5561577" "5591661" "5610425" "5625522" "5671111" "5728612" "5754380" "5780905" "5781388" "5821572" "5843813" "5869873" "5872378" "5877927" "5907462" "5959488" "5959821" "5978192" "5982601" "6002567" "6069782" "6125021" "6157530" "6233130" "6304127" "6411485").PN. OR ("6768616"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 11:11 |
| S15 | 10 | ("5311391").PN. OR ("5550699"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 11:25 |

| S16 | 38 | ("4922371" "5225702" "5274262" "5287241").PN. OR ("5430595").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 14:41 |
|-----|-----|---|---|------|-----|------------------|
| S17 | 1 | 10/812378 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 14:41 |
| S18 | 59 | asymmetric near (nmos nfet pmos pfet fet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 15:31 |
| S19 | 1 | asymmetric near (nmos nfet pmos pfet fet) and (scr silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/02/06 15:14 |
| S20 | 305 | asymmetric near (nmos nfet pmos pfet fet transistor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/06 15:15 |
| S21 | 2 | asymmetric near (nmos nfet pmos pfet fet transistor) and (scr silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/06 15:16 |
| S22 | 18 | "5905288" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 15:31 |
| S23 | 0 | "5905288.pn." | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 15:32 |
| S24 | 2 | "5905288".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 15:45 |

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| S25 | 2 | "6768616".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 15:45 |
| S26 | 35 | ("5272097" "5272371" "5327319" "5400202" "5426322" "5430595" "5452171" "5465189" "5550699" "5561577" "5591661" "5610425" "5625522" "5671111" "5728612" "5754380" "5780905" "5781388" "5821572" "5843813" "5869873" "5872378" "5877927" "5907462" "5959488" "5959821" "5978192" "5982601" "6002567" "6069782" "6125021" "6157530" "6233130" "6304127" "6411485").PN. OR ("6768616"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 15:49 |
| S27 | 13 | mergens.in. and sarnoff.as. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 15:50 |
| S28 | 17 | diode adj (string chain) same bias same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:13 |
| S29 | 1133910 | lateral scr.ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 16:57 |
| S30 | 14 | (lateral adj scr).ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 16:57 |
| S31 | 17 | diode adj (string chain) same bias same nmos | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:13 |

| S32 | 18 | diode adj (string chain) same bias same (nmos nfet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:19 |
|-----|---------|---|---|----|-----|------------------|
| S33 | 9 | diode adj (string chain) same bias same (mos fet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:20 |
| S34 | 12 | ("3501591" "3886321" "3927266" "3953682" "4099032" "4158752" "4360709").PN. OR ("4439634").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 17:20 |
| S35 | 837 | diode adj (string chain) and (scr silicon controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:20 |
| S36 | 32 | diode adj (string chain) same \$1fet and (scr silicon controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:21 |
| S37 | 3972858 | diode adj (string chain) same sourceand (scr silicon controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:21 |
| S38 | 256 | diode adj (string chain) same source and (scr silicon controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:21 |
| S39 | 72 | diode adj (string chain) same source same (scr silicon controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:25 |
| S40 | 61392 | diode adj (string chain) same source (scr silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:25 |

| S41 | 17 | diode adj (string chain) same source same (scr silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:28 |
|-----|-----|--|---|----|-----|------------------|
| S42 | 378 | diode adj (string chain) same source | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:36 |
| S43 | 1 | "6768616".pn. and holding same chain | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 10:03 |
| S44 | 12 | source same holding same diode adj (chain string) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 17:52 |
| S45 | 14 | ("3335360" "3506852" "3577177" "3848140" "3917962").PN. OR ("4024457"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/06 17:49 |
| S46 | 42 | holding adj voltage and diode adj (chain string) and (scr silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 18:08 |
| S47 | 44 | holding adj voltage and diode adj (chain string stack) and (scr silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/06 18:08 |
| S48 | 284 | holding adj voltage and scr and diode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:03 |
| S49 | 105 | holding adj voltage same scr same diode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:11 |

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|-----|------|---|---|-----|----|------------------|
| S50 | 37 | holding adj voltage same scr same diode same latch\$1up | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:16 |
| S51 | 408 | output adj buffer and diode adj (chain string stack series) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:17 |
| S52 | 13 | output adj buffer and diode adj (chain string stack series) and scr and holding adj voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:22 |
| S53 | 21 | buffer and diode adj (chain string stack series) and scr and holding adj voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:26 |
| S54 | 177 | buffer same diode adj (chain string stack series) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:26 |
| S55 | 10 | buffer same diode adj (chain string stack series) and (scr and silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:31 |
| S56 | 2180 | (WU LEE).IN. AND (taiwan adj semiconductor).as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:32 |
| S57 | 86 | (WU LEE).IN. AND (taiwan adj semiconductor).as. and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:23 |

| S58 | 18 | (WU LEE).IN. AND (taiwan adj semiconductor).as. and diode adj (chain string series stack) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:33 |
|-----|------|---|---|----|----|------------------|
| S59 | 2336 | diode adj (chain sereies stack string) (taiwan adj semiconductor). as. and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:41 |
| S60 | 17 | diode adj (chain sereies stack string) and (taiwan adj semiconductor).as. and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:47 |
| S61 | 84 | diode adj (chain sereies stack string) and latch\$1up and esd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:47 |
| S62 | 41 | diode adj (chain sereies stack string) and latch\$1up and esd and holding | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:39 |
| S63 | 6 | 10/099263 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 10:58 |
| S64 | 68 | buffer same diode adj (chain string stack series) same source | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:46 |
| S65 | 2 | "6768616".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 11:08 |

| S66 | 0 | sarnoff.in. and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 11:09 |
|-----|----|---|---|----|-----|------------------|
| S67 | 54 | sarnoff.as. and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 11:09 |
| S68 | 40 | ("4392781" "4400711" "4405933" "4484244" "4631567" "4633283" "4757363" "4760433" "4811155" "4855620" "4870530" "4928157").PN. OR ("5010380").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 11:12 |
| S69 | 18 | ("3806773" "4476476" "4686602" "4763184" "4870530" "4937471" "5010380" "5060037" "5343053" "5349212" "5465189" "5548134" "5610426" "5780905" "5814865" "5895940" "6013941" "6064093").PN. OR ("6825504"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 11:13 |
| S70 | 14 | ("4870530" "5400202" "5602404").PN. OR ("5780905"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 11:15 |
| S71 | 18 | ("3806773" "4476476" "4686602" "4763184" "4870530" "4937471" "5010380" "5060037" "5343053" "5349212" "5465189" "5548134" "5610426" "5780905" "5814865" "5895940" "6013941" "6064093").PN. OR ("6825504"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 11:17 |
| S72 | 13 | ("4071779" "4302792" "4439802" "4484244" "4567500").PN. OR ("4686602"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 11:20 |
| S73 | 18 | ("3806773" "4476476" "4686602" "4763184" "4870530" "4937471" "5010380" "5060037" "5343053" "5349212" "5465189" "5548134" "5610426" "5780905" "5814865" "5895940" "6013941" "6064093").PN. OR ("6825504"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:39 |

| S74 | 1 | "4825174".pn. | US-PGPUB; USPAT; | OR | OFF | 2006/02/07 15:41 |
|-----|-----|--|---|----|-----|------------------|
| S75 | 120 | (silicon adj controlled) and buffer same source same diode | USOCR US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:42 |
| S76 | 18 | (silicon adj controlled) and buffer same source same diode same holding | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:43 |
| S77 | 18 | (silicon adj controlled) and buffer same source same diode\$1 same holding | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:43 |
| S78 | 18 | (silicon adj controlled) and buffer same (source drain) same diode\$1 same holding | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:45 |
| S79 | 32 | (silicon adj controlled) and buffer same diode\$1 same holding | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:48 |
| S80 | 50 | (silicon adj controlled) and (nmos nfet) with diode\$1 and holding | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:56 |
| S81 | 15 | Chartered.as. and scr | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:58 |
| S82 | 37 | Chartered.as. and esd | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 15:58 |
| S83 | 15 | ("4037164" "5528190" "5576557" "5631793" "5895940" "5905288" "5986862" "6008974" "6130811").PN. OR ("6275089").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 16:04 |
| S84 | 19 | ("5077591" "5225702" "5274262" "5453384" "5465189" "5473169" "5485024" "5493133" "5500546" "5506742").PN. OR ("5821572"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 16:37 |
| S85 | 124 | diode adj (chain series stack string) and latch\$1up and esd and holding | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:39 |
| S86 | 12 | diode adj (chain series stack string) with holding and latch\$1up and esd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:44 |

| S87 | 13 | ("5959820" "6015992").PN. OR ("6521952").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 16:42 |
|-----|------|--|---|----|-----|------------------|
| S88 | 0 | diode adj (chain series stack string) with holding same latch\$1up same buffer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:45 |
| S89 | 1 | diode adj (chain series stack string) same holding same latch\$1up same buffer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:45 |
| S90 | 3 | diode adj (chain series stack string) same buffer and holding same latch\$1up | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:45 |
| S91 | 1 | buffer same diode adj (chain string stack series) same (latch\$1up latch adj up) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 16:47 |
| S92 | 10 | buffer same diode adj (chain string stack series) and (latch\$1up latch adj up) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:02 |
| S93 | 21 | thick adj field adj oxide adj device | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:08 |
| S94 | 2492 | (\$1mos \$1fet) with source with drain with gate with diode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:09 |
| S95 | 73 | (\$1mos \$1fet) with source with drain with gate with diode same buffer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:09 |

| S96 | 0 | (\$1mos \$1fet) with source with drain with gate with diode same buffer same holding | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:09 |
|----------|----|--|---|----|-----|------------------|
| S97 | 0 | (\$1mos \$1fet) with source with drain with gate with diode same buffer same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:09 |
| S98 | 0 | (\$1mos \$1fet) with source with drain with gate with diode same buffer same \$3scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:09 |
| S99 | 73 | (\$1mos \$1fet) with source with drain with gate with diode same buffer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:10 |
| S10 0 | 0 | (\$1mos \$1fet) with source with drain with gate with diode same buffer and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:10 |
| S10 1 | 4 | (\$1mos \$1fet) with source with drain with gate with diode same buffer and esd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:13 |
| S10 2 | 2 | "4767946".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/07 17:13 |
| S10 3 | 17 | ("4456838" "4578602" "4644194").PN. OR ("4767946"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:16 |
| S10 4 | 9 | ("4612514" "4616189" "4634993" "4646028" "4767946").PN. OR ("4825174"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:23 |
| S10 5 | 36 | buffer with diode adj (chain series string stack) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:40 |

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|----------|-----|--|---|----|---------------------------------------|------------------|
| S10 6 | 990 | hold\$3 same (silicon adj controlled) same (chain string series stack) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:47 |
| S10 7 | 20 | hold\$3 same (silicon adj controlled) same diode adj (chain string series stack) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:42 |
| S10 8 | 8 | hold\$3 same (silicon adj controlled) same (chain string series stack) and nmos | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:54 |
| S10 9 | 1 | "4825174".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/07 17:54 |
| S11 0 | 320 | scr and esd and latch\$1up | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 11:10 |
| S11 1 | 99 | scr same holding same latch\$1up | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 11:32 |
| S11 2 | 2 | 10/062714 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 11:32 |
| S11 3 | 30 | ("20020084490" "20030007301" "4939616" "5012317" "5225702" "5453384" "5465189" "5502328" "5519242" "5581104" "5629544" "5631793" "5646808" "5654862" "5719737" "5754381" "5807791" "5811857" "5824573" "5907462" "5910874" "5932918" "5940258" "5990520" "6015992" "6034397" "6081002" "6242763" "6521952").PN. OR ("6750515").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/08 11:32 |
| S11 4 | 1 | 10/812378 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 12:26 |

| S11 5 | 2 | "5905288".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 12:27 |
|----------|-----|---|---|------|-----|------------------|
| S11 6 | 2 | "6521952".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 12:41 |
| S11 7 | 273 | snap\$1back and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 12:42 |
| S11 8 | 91 | snap\$1back and scr and speed | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 12:42 |
| S11 9 | 2 | snap\$1back same speed same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 12:42 |
| S12 0 | 4 | (taiwan adj semiconductor).as. and scr same speed | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 13:53 |
| S12 1 | 2 | beta adj gain with capacitance | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 13:54 |
| S12 2 | 5 | beta adj gain with scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/02/08 13:57 |

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|----------|-----|---|---|----|-----|------------------|
| S12 3 | 11 | beta adj gain same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 13:59 |
| S12 4 | 356 | beta same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 13:59 |
| S12 5 | 4 | beta same scr same capacitance | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:00 |
| S12 6 | 32 | beta same scr same increase | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:38 |
| S12 7 | 137 | asymmetric\$3 near transistors | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:39 |
| S12 8 | 1 | asymmetric\$3 near transistors and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:39 |
| S12 9 | 137 | asymmetric\$3 near transistors | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:39 |
| S13 0 | 0 | asymmetric\$3 near transistors and ker .in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:40 |

| S13 | 0 | asymmetric\$3 near transistors and | US-PGPUB; | OR | OFF | 2006/02/08 14:40 |
|----------|------|--|---|----|-----|------------------|
| 1 | | ker.in. | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | | | |
| S13 2 | 5 | asymmetric\$3 near transistors and esd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 14:40 |
| S13 3 | 95 | ker.in. and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 15:06 |
| S13 4 | 201 | scr and guard adj ring | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:34 |
| S13 5 | 1156 | asymmetric with transistors | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:39 |
| S13 6 | . 11 | asymmetric with transistors and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:49 |
| S13 7 | 72 | short adj channel adj NMOS | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:51 |
| S13 8 | 23 | short adj channel adj NMOS and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:52 |

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|----------|-----|---|---|----|-----|------------------|
| S13 9 | 1 | asymmetric\$3 adj (NMOS NFET transistor\$1)and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:54 |
| S14 0 | 1 | asymmetric\$3 adj (NMOS NFET transistor\$1) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:54 |
| S14 1 | 1 | asymm\$6 adj (NMOS NFET transistor\$1) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 15:54 |
| S14 2 | 76 | asymm\$6 same (NMOS NFET transistor\$1) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 16:03 |
| S14 3 | 6 | asymm\$6 with (source and drain) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/08 16:04 |
| S14 4 | 11 | ("20020058373" "20030034527" "4939616" "5012317" "5369041" "5465189" "5907462" "6081002" "6303420" "6548337" "6639284").PN. OR ("6869840"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/08 16:29 |
| S14 5 | 4 | 257/592.ccls. and scr | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/08 16:29 |
| S14 6 | 6 | (257/592 257/593).ccls. and scr | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/08 16:35 |
| S14 7 | 805 | snap\$1back and esd | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/08 16:36 |
| S14 8 | 311 | snap\$1back and esd and buffer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/08 16:36 |

| S14 9 | 1 | 10/812378 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:18 |
|----------|-----|--|---|----|-----|------------------|
| S15 0 | 582 | dual with asymm\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:18 |
| S15 1 | 24 | dual with asymm\$5 same (\$1fet \$1mos transistor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:22 |
| S15 2 | 342 | (two dual) with asymm\$5 same (\$1fet \$1mos transistor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:23 |
| S15 3 | 2 | (two dual) with asymm\$5 same (\$1fet \$1mos transistor) same (silicon adj controlled scr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:23 |
| S15 4 | 4 | (two dual) with asymm\$5 same (\$1fet \$1mos transistor) and (silicon adj controlled scr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:24 |
| S15 5 | 27 | (two dual) same asymm\$5 same (\$1fet \$1mos transistor) and (silicon adj controlled scr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:26 |
| S15 6 | 1 | (two dual double) near asymm\$5 same (\$1fet \$1mos transistor) and (silicon adj controlled scr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:26 |

| CIF | | (hara dual dauble) | LIC DCDLIB. | OB | OFF | 2006/02/00 11:26 |
|----------|-----|---|---|----|-----|------------------|
| S15 7 | 12 | (two dual double) near asymm\$5 and (silicon adj controlled scr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:26 |
| S15 8 | 101 | (two dual double) with asymm\$5 and (silicon adj controlled scr) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:27 |
| S15 9 | 28 | (two dual double) with asymm\$5 and (silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:28 |
| S16 0 | 215 | asymm\$5 and (silicon adj controlled) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:28 |
| S16 1 | 14 | asymm\$5 and (silicon adj controlled) and esd | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 11:28 |
| S16 2 | 325 | drain adj extended | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:08 |
| S16 3 | 16 | drain adj extended same scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:12 |
| S16 4 | 2 | "5,903,032".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:15 |

| C16 | 41 | danmas | LIC DCDLIB | OR | OFF | 2006/02/00 12:15 |
|----------|----|--|---|----|-----|------------------|
| S16 5 | 41 | denmos | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OK | OFF | 2006/02/09 12:15 |
| S16 6 | 15 | (denmos depmos) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:19 |
| S16 7 | 20 | (demos denmos depmos) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:20 |
| S16 8 | 0 | senmos | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:20 |
| S16 9 | 20 | semos | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:20 |
| S17 0 | 20 | (semos demos denmos depmos) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:32 |
| S17 1 | 68 | (semos demos denmos depmos) and scr | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/09 12:20 |
| S17 2 | 10 | ("5416351" "5559352" "5870268" "5898205" "5918127" "6066879").PN. OR ("6444511"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 12:26 |
| S17 3 | 1 | 10/278094 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 12:27 |

| S17 4 | 16 | (two dual double) near (semos demos denmos depmos) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/09 12:35 |
|----------|--------|--|---|----|-----|------------------|
| S17 5 | 0 | parallel near (semos denmos depmos) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:35 |
| S17 6 | 9 | parallel with (semos denmos depmos) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 12:36 |
| S17 7 | 7 | second with (semos denmos depmos) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 13:26 |
| S17 8 | 199 | second with (semos denmos depmos drain adj extend\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 13:27 |
| S17 9 | 21 | dual with (semos denmos depmos drain adj extend\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/09 13:27 |
| S18 0 | 33 | ("5276371" "5374565" "5438213" "5455436" "5508548" "5515226" "5548134" "5576570" "5674761" "5707886" "5897348" "5953606" "5994176" "5998245" "6004838" "6022769").PN. OR ("6143594"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 13:31 |
| S18 1 | 25 | ("5516717" "5529941" "5554544" "5585299" "5618740" "5672527" "5877048" "5897348" "5905284" "5910672" "5917218" "5920774").PN. OR ("5994176").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 13:42 |
| S18 2 | 423645 | dual gate and scr | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 13:43 |

| S18 3 | 28 | dual adj gate and scr | US-PGPUB; USPAT; | OR | OFF | 2006/02/09 14:01 |
|----------|------|--|------------------------------|----|-----|------------------|
| 3 | | | USOCR | | | |
| S18 4 | 1 | "5,455,436".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:01 |
| S18 5 | 35 | ("5182220" "5225702").PN. OR ("5455436").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:04 |
| S18 6 | 14 | ("20020053704" "5455436" "5572394" "5637900" "5753381" "5754380" "5754381" "5811856" "5872379" "5898205" "6066879").PN. OR ("6661060"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:07 |
| S18 7 | 21 | ("5400202" "5465189" "5576557" "5745323" "5754380" "5754381" "5869873" "5898205").PN. OR ("6066879"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:19 |
| S18 8 | 1 | "5,753,380".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:20 |
| S18 9 | 1 | "5,753,381".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:24 |
| S19 0 | 26 | ker.in. and beta | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:29 |
| S19 1 | 76 | (lee wu).in. and beta and scr | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:30 |
| S19 2 | 3 | (lee wu).in. and beta same double and scr | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:30 |
| S19 3 | 1652 | (lee wu).in. and beta and silicon | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:30 |
| S19 4 | 31 | (lee wu).in. and beta and silicon adj controlled | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:43 |
| S19 5 | 1 | "6143594".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:45 |
| S19 6 | 1 | "5,455,436".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:47 |
| S19 7 | 0 | denmos same speed | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:48 |

| S19 8 | 2 | denmos same turn\$10n | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 14:53 |
|----------|----|-----------------------|------------------------------|----|-----|------------------|
| S19 9 | 1 | denmos same fast | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 16:39 |
| S20 0 | 18 | "5473169" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 16:39 |
| S20 1 | 1 | "5473169".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 17:16 |
| S20 2 | 1 | "6066879".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/02/09 17:16 |